

**DOCKET NO.: PHRM0002-100****PATENT****IN THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**STATUS OF CLAIMS**

Please cancel claims 1-58 and 60-63 without prejudice.

Please amend claim 59.

Claims 1-58 **(Cancelled)**

Claim 59 **(Currently Amended)** A method ~~according to claim 46~~ for identifying a modulator of binding between a DmGPCR and a DmGPCR binding partner, comprising the steps of:

(a) contacting a DmGPCR binding partner and a composition comprising a DmGPCR in the presence and in the absence of a putative modulator compound;

(b) detecting binding between the binding partner and the DmGPCR; and

(c) determining whether binding in the presence of said putative modulator is increased or decreased compared to binding in the absence of said putative modulator compound,

wherein the DmGPCR is DmGPCR9 having a sequence of SEQ ID NO:22 and wherein the binding partner is a peptide having a sequence of SEQ ID NO:157.

Claims 60-63 **(Cancelled)**